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(54) DEVICE FOR STIRRING CELL, CELL FUSION APPARATUS AND FLOW CYTOMETER APPARATUS CONTAINING THE SAME

(57) Abstract:

PURPOSE: To enable dispersion and maintenance of cells at a homogeneous and nearly constant cell density in a solution by repeating suction and discharge of a cell suspension from the tip of a nozzle.

CONSTITUTION: A gas pressurized with a pressurizing pump 15 is regulated to 0.05-1.0kg/cm² pressure with a regulator 16, then fed through a filter 17, a manifold 18 and a valve 15 into a container 3 containing a cell suspension 21 and pressurized. A valve 6 is then opened to suck the suspension 21 from the tip of a nozzle 1 and temporarily held in a tube 2 to close the valve 6. Valves 10, 7 and 6 are subsequently opened to pressurize the tube 2 and the suspension 21 in the tube 2 is then discharged into the container 3. The aforementioned operation is repeated 1 to sev-

eral times to stir the suspension 21, which is further passed through a flow passage 31 and discharged to the outside.

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